

RECEIVED

OCT 15 2012

KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

ORIGINAL

OPERATOR: License # 32948
Name: Tomlinson Operating, LLC
Address 1: 7154 W. State St. PMB 302
Address 2: _____
City: Boise State: ID Zip: 83714 + _____
Contact Person: Sid Tomlinson
Phone: (208) 229-1937
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc
Wellsite Geologist: Mikeal Maune
Purchaser: _____

API No. 15 - 195-22792-0000
Spot Description: _____
SW NE NW Sec. 24 Twp. 11 S. R. 21 East West
990 Feet from North / South Line of Section
1,650 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Trego
Lease Name: Nicholson Well #: 2
Field Name: Walz
Producing Formation: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

Elevation: Ground: 2155 Kelly Bushing: 2163
Total Depth: 3800 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 388 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmf.

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
6-24-2012 7-01-2012 7-01-2012
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 39,000 ppm Fluid volume: 750 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Sid Tomlinson
Title: Member Date: 9/24/12

KCC Office Use ONLY

Letter of Confidentiality Received
Date: _____
 Confidential Release Date: OCT 01 2012
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: PA Dlg Date: 10/16/12

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KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Tomlinson Operating, LLC Lease Name: Nicholson Well #: 2
 Sec. 24 Twp. 11 S. R. 21 East West County: Trego

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Log Tech Radiation Guard & Microlog	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1580</td> <td>+583</td> </tr> <tr> <td>Topeka</td> <td>3191</td> <td>-1028</td> </tr> <tr> <td>Heebner</td> <td>3400</td> <td>-1237</td> </tr> <tr> <td>Lansing</td> <td>3440</td> <td>-1277</td> </tr> <tr> <td>BKC</td> <td>3665</td> <td>-1502</td> </tr> <tr> <td>Marmaton</td> <td>3689</td> <td>-1526</td> </tr> <tr> <td>TD</td> <td>3800</td> <td>-1637</td> </tr> </table>	Name	Top	Datum	Anhydrite	1580	+583	Topeka	3191	-1028	Heebner	3400	-1237	Lansing	3440	-1277	BKC	3665	-1502	Marmaton	3689	-1526	TD	3800	-1637
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/4	8 5/8	23	388	common	200	2% gel, 3% CaCl

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	RECEIVED KANSAS CORPORATION COMMISSION OCT 01 2012 CONSERVATION DIVISION WICHITA, KS		

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Phone ~~785-483-2025~~
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 023

Date	7-1-12	Sec.		Twp.		Range		County	Ellis	State	KS	On Location		Finish	6:00 PM		
Lease	Nickolson	Well No.	2	Location	Ellis N.S 2W 1N 13W 1S												
Contractor	Southwind Rig 6							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Plug							Charge To	TOMLINSON Operating								
Hole Size	5 7/8	T.D.	3800														
Csg.								Depth									
Tbg. Size								Depth									
Tool								Depth									
Cement Left in Csg.								Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line								Displace	Cement Amount Ordered 205 @ 4% gel								
EQUIPMENT																	
Pumptrk	5	No.	Cementer Helper Travis							Common	123						
Bulktrk	10	No.	Driver Cody							Poz. Mix	82						
Bulktrk	PU	No.	Driver Dave							Gel.	7						
JOB SERVICES & REMARKS																	
Remarks:	Hulls																
Rat Hole	30 sk							Salt									
Mouse Hole								Flowseal	50#								
Centralizers								Kol-Seal									
Baskets								Mud CLR 48									
D/V or Port Collar								CFL-117 or CD110 CAF 38									
	25 sk @ 1380							Sand									
	100 sk @ 885							Handling	212								
	40 sk @ 440							Mileage									
	10 @ 40 wk plug							FLOAT EQUIPMENT									
								Guide Shoe	RECEIVED								
								Centralizer	OCT 15 2012								
								Baskets	KCC WICHITA								
								AFU Inserts									
								Float Shoe									
								Latch Down									
									1 8 1/2 Dry Hole plug								
								Pumptrk Charge	plug								
								Mileage	31								
Thank																	
Signature <i>W. J. Poff</i>																	
Tax																	
Discount																	
Total Charge																	

RECEIVED
KANSAS CORPORATION COMMISSION
OCT 01 2012
CONSERVATION DIVISION
WICHITA, KS

Quality Oilwell Cementing

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 880

Date	6-24-12	Sec.	24	Twp.	11	Range	21	County	TREGO	State	KANSAS	On Location		Finish	5:30AM
Lease	NICHOLSON			Well No.	2			Location	ELLS-2N-2W-3N-5W-1S-1W						
Contractor	SOUTHWIND #10							Owner	TOMLINSON OPERATING						
Type Job	SURFACE							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"		T.D.	390			Charge To	TOMLINSON OPERATING							
Csg.	8 5/8"		Depth	388			Street	7154 W. STATE ST. PMB 302							
Tbg. Size			Depth				City	BOISE			State	ID, 83714			
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.			Shoe Joint	15'			Cement Amount Ordered	200 com - 3cc - 2 GEL							
Meas Line			Displace	23 1/2 BLS											

EQUIPMENT

Pumptrk #15 No.	Cementer Helper	NICK	Common	200
Bulktrk #14 No.	Driver	LONNIE	Poz. Mix	
Bulktrk P14 No.	Driver	CESCO	Gel.	4
JOB SERVICES & REMARKS			Calcium	7

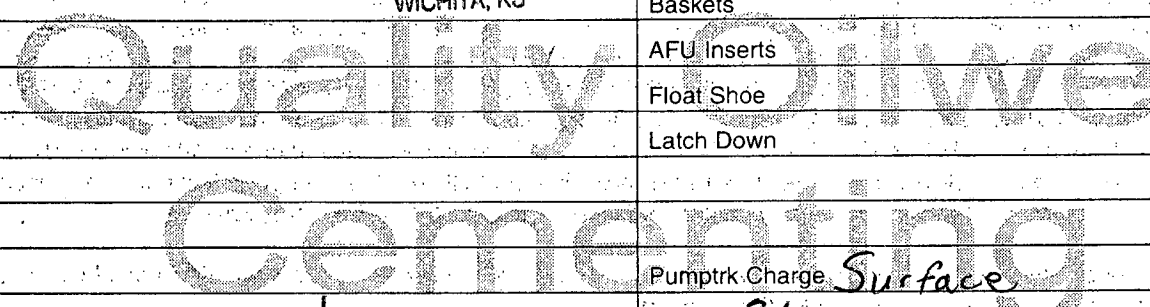
Remarks:	Hulls
Rat Hole	Salt
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Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
CEMENT DID CIRCULATE ✓	Sand
	Handling 2/11
	Mileage

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CONSERVATION DIVISION
WICHITA, KS

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

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KCC WICHITA



Pumptrk Charge	Surface	Tax	
Mileage	31	Discount	
Signature	<i>[Signature]</i>	Total Charge	

THANK YOU ✓

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088
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Tomlinson Operating, LLC

7154 W. State Street, PMB 302

Boise, ID 83714

**SID TOMLINSON
CYNDA TOMLINSON
208-229-1937**

tomlinson.operating@gmail.com

Nicholson #2 Well

SW NE NW Sec. 24-11-21w (990'FNL & 1650' FWL)

Trego County, Kansas

Elevations: KB= 2163 GL =2155

6-23-2012 Southwind Drilling moving in and rigging up.

6-24 TD 390', waiting on cement. Spudded 4:00pm on 24th, drilled 12 1/4" hole to 390. Set new 8 5/8", 23# casing at 388' and Quality cemented with 200 sacks common+2% gel + 3% CaCl. Cement circulated to surface. Plug down 5:30am.

6-25 Drilling at 1300'.

6-26 Drilling at 2231'.

6-27 Drilling at 2950'.

6-28 TD 3496'. Preparing to run DST #1 over Lansing A & B zones.

evening report: DST #1 3434-3496 (Lan. A & B zones) 30/45/45/60

Recovered 60' oil cut mud (10% oil, 90 % mud).

Flow pressures: 23-33 psi, 35-46 psi Shut-in pressures: 798psi - 753psi.

6-29 TD 3539. On bottom with DST #2 3522-37.

6-30 Drilling at 3660'. DST #2 3522-37 (Lansing F zone) 30/45/45/60

Recovered 5' clean oil, 160' muddy water (90% water, 10% mud).

Flow pressures; 18-54 psi, 55-95 psi

Shut in pressures: Initial 482 psi, final 480 psi

DST #3 3586-3650 (Lansing I,J,K zones) 30/30/30/30

Recovered 50' mud Flow pressures: 21-34 psi, 38-43 psi

Shut in pressures: Initial 853 psi, final 750 psi

7-1-2012 TD 3800' To plug and abandon.

Log Tech ran Radiation Guard and Micro Log. Electric log tops:

Anhydrite	1580	+583	
Topeka	3191	-1028	
Heebner	3400	-1237	
Lansing	3440	-1277	
BKC	3665	-1502	
Marmaton	3689	-1526	
TD	3800	-1637	Did not find Arbuckle.

KANSAS CORPORATION COMMISSION

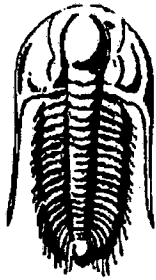
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CONSERVATION DIVISION
WICHITA, KS

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operations LLC**

7154 W. State St
PMB 302
Boise ID 83714

ATTN: Mike Maune

Nicholson #2

24-11s-21w Trego,KS

Start Date: 2012.06.28 @ 12:53:05

End Date: 2012.06.28 @ 20:02:59

Job Ticket #: 47887 DST #: 1

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CONSERVATION COMMISSION
WICHITA, KS

Trilobite Testing, Inc

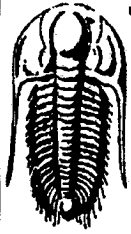
PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

ORIGINAL

Printed: 2012.07.12 @ 11:36:11

Tomlinson Operations LLC 24-11s-21w Trego,KS Nicholson #2 DST # 1 LKC "A+B" 2012.06.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operations LLC

24-11s-21w Trego, KS

7154 W. State St
PMB 302
Boise ID 83714
ATTN: Mike Maune

Nicholson #2

Job Ticket: 47887

DST#: 1

Test Start: 2012.06.28 @ 12:53:05

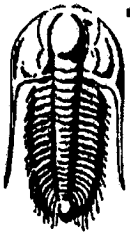
Tool Information

Drill Pipe:	Length: 3418.00 ft	Diameter: 3.80 inches	Volume: 47.95 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 47.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 33000.00 lb
Depth to Top Packer:	3434.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3407.00	
Shut In Tool	5.00			3412.00	
Hydraulic tool	5.00			3417.00	
Jars	5.00			3422.00	
Safety Joint	3.00			3425.00	
Packer	5.00			3430.00	28.00 Bottom Of Top Packer
Packer	4.00			3434.00	
Stubb	1.00			3435.00	
Perforations	5.00			3440.00	
Change Over Sub	1.00			3441.00	
Recorder	0.00	8017	Inside	3441.00	
Recorder	0.00	8372	Outside	3441.00	
Drill Pipe	31.00			3472.00	
Change Over Sub	1.00			3473.00	
Perforations	20.00			3493.00	
Bullnose	3.00			3496.00	62.00 Bottom Packers & Anchor
Total Tool Length:	90.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operations LLC

24-11s-21w Trego, KS

7154 W. State St
PMB 302
Boise ID 83714
ATTN: Mike Maune

Nicholson #2
Job Ticket: 47887 DST#: 1
Test Start: 2012.06.28 @ 12:53:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.37 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM o=10% m=90%	0.842

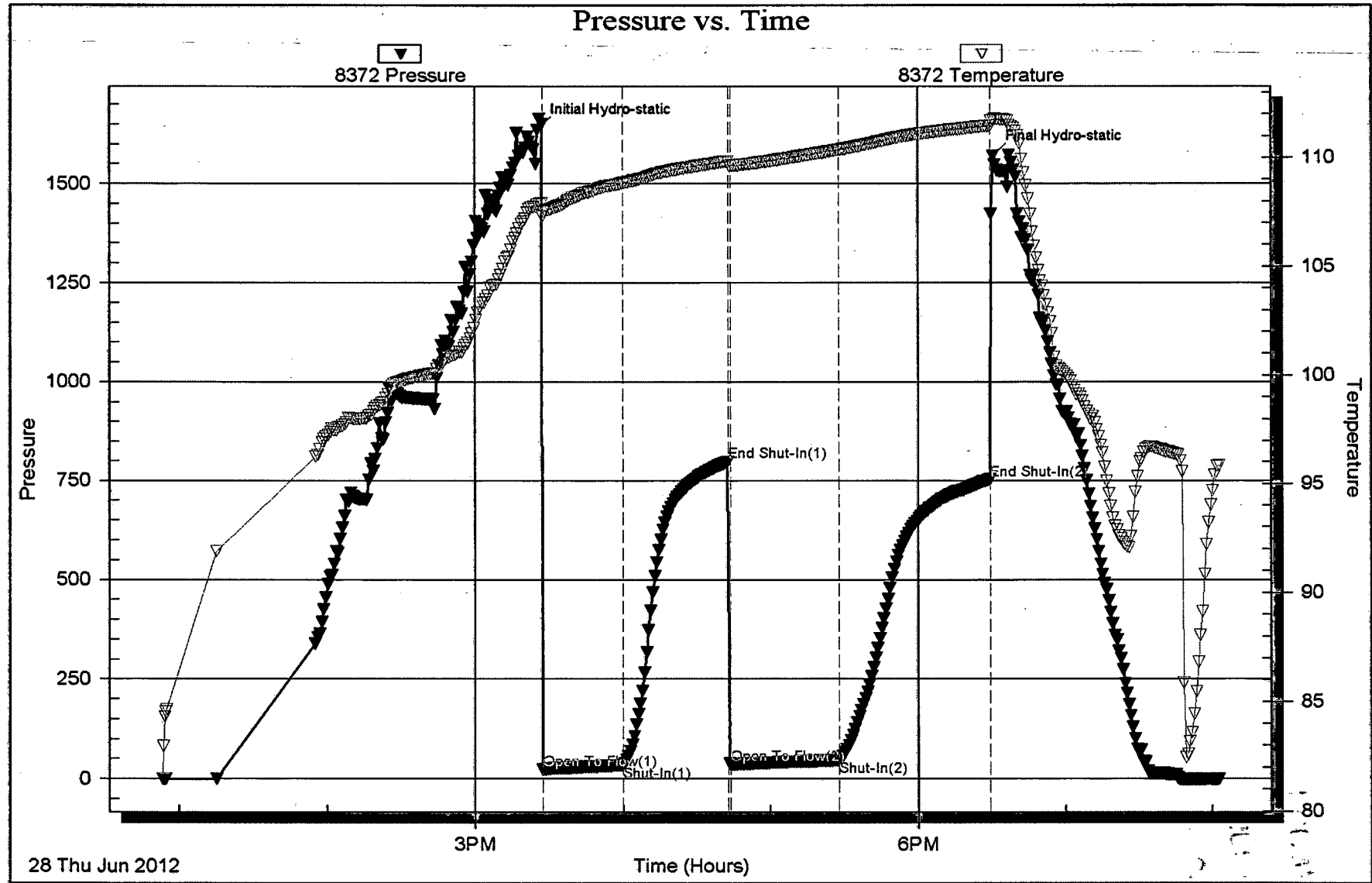
Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

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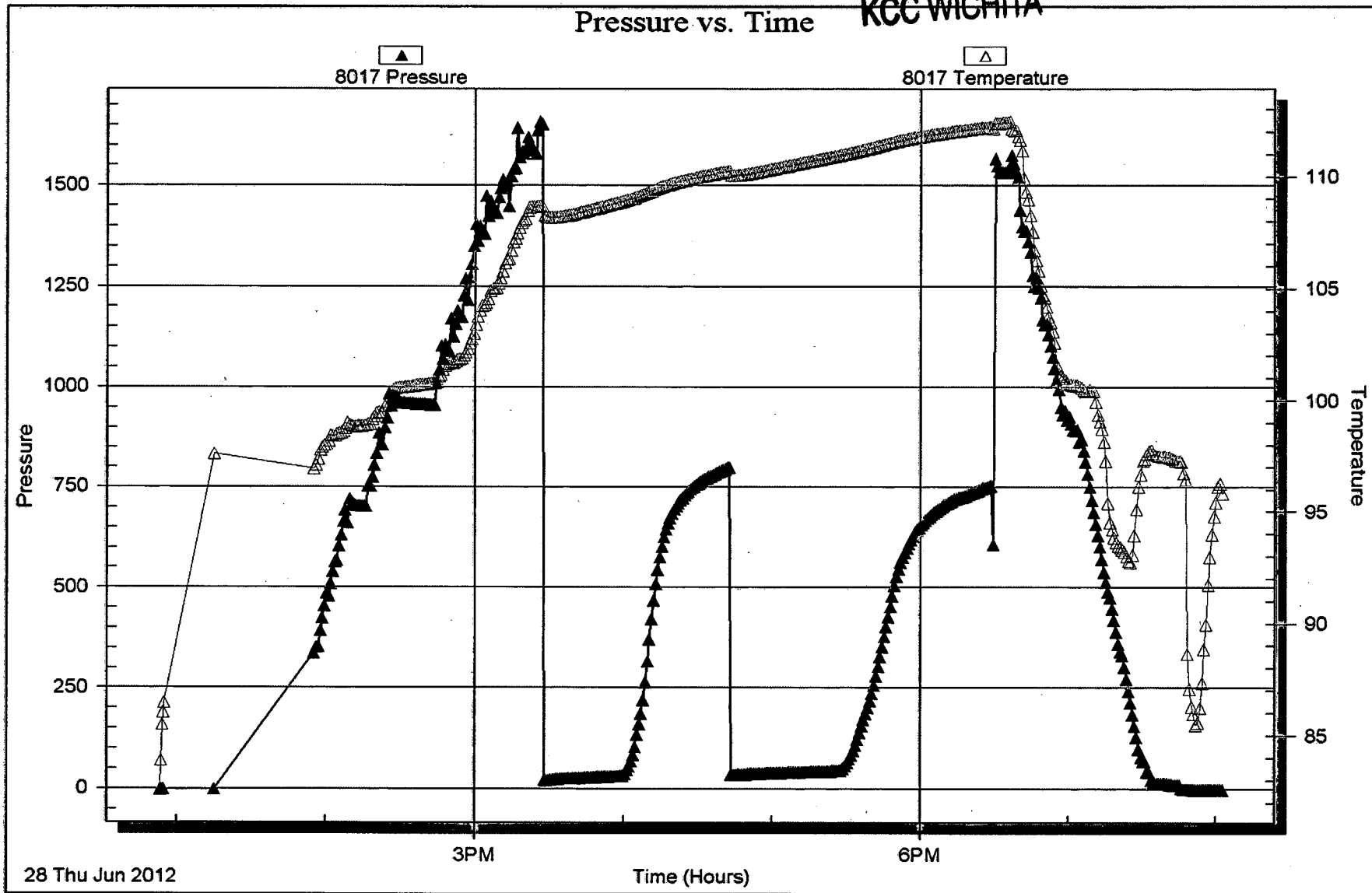
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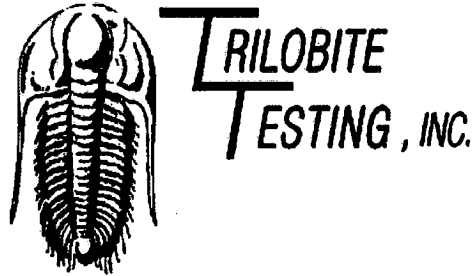
Inside Tomlinson Operations LLC

Nicholson #2

DST Test Number: 1

KCC WICHITA





DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operations LLC**

7154 W. State St
PMB 302
Boise ID 83714

ATTN: Mike Maune

Nicholson #2

24-11s-21w Trego,KS

Start Date: 2012.06.29 @ 03:50:05

End Date: 2012.06.29 @ 10:20:09

Job Ticket #: 47888 DST #: 2

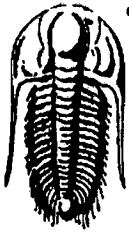
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.12 @ 11:35:29

Tomlinson Operations LLC
24-11s-21w Trego,KS
Nicholson #2
DST # 2
LCC"
2012.06.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tomlinson Operations LLC

24-11s-21w Trego, KS

7154 W. State St
PMB 302
Boise ID 83714
ATTN: Mike Maune

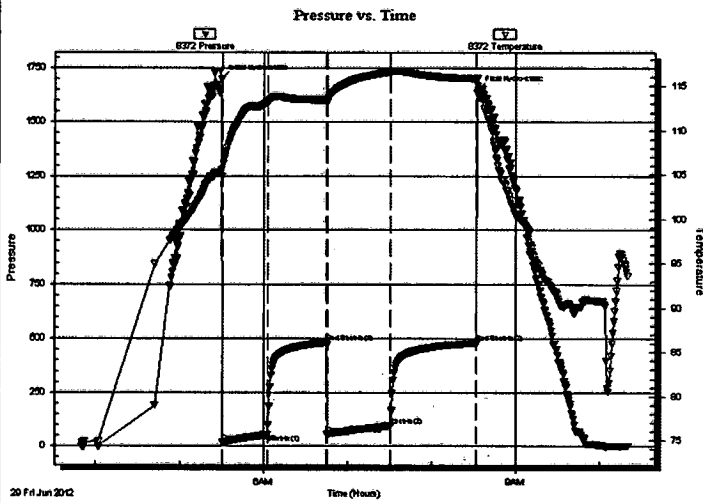
Nicholson #2
Job Ticket: 47888 DST#: 2
Test Start: 2012.06.29 @ 03:50:05

GENERAL INFORMATION:

Formation: **LKC"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:30:30
Time Test Ended: 10:20:09
Interval: **3522.00 ft (KB) To 3537.00 ft (KB) (TVD)**
Total Depth: 3537.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39
Reference Elevations: 2163.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 Outside
Press@RunDepth: 95.31 psig @ 3523.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.29 End Date: 2012.06.29 Last Calib.: 2012.06.29
Start Time: 03:50:05 End Time: 10:20:10 Time On Btm: 2012.06.29 @ 05:29:50
Time Off Btm: 2012.06.29 @ 08:32:50

TEST COMMENT: IF:(30min) 2" blow in 10 min. Built to 2.5".
ISl:(45min) No Return
FF:(45min) Built to 1.75" in 28 min.
FSl:(60min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.97	105.59	Initial Hydro-static
1	18.40	104.79	Open To Flow (1)
33	54.70	113.17	Shut-In(1)
76	482.99	113.46	End Shut-In(1)
76	55.73	113.22	Open To Flow (2)
121	95.31	116.58	Shut-In(2)
182	480.60	115.85	End Shut-In(2)
183	1650.81	115.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
160.00	MW m=10% w=90%	2.24
5.00	CO	0.07

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 47888

Printed: 2012.07.12 @ 11:35:00

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operations LLC

24-11s-21w Trego, KS

7154 W. State St
PMB 302
Boise ID 83714
ATTN: Mike Maune

Nicholson #2
Job Ticket: 47888 DST#: 2
Test Start: 2012.06.29 @ 03:50:05

Tool Information

Drill Pipe:	Length: 3500.00 ft	Diameter: 3.80 inches	Volume: 49.10 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 49.10 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3522.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

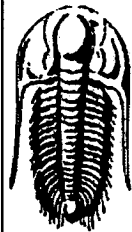
Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3495.00	
Shut In Tool	5.00			3500.00	
Hydraulic tool	5.00			3505.00	
Jars	5.00			3510.00	
Safety Joint	3.00			3513.00	
Packer	5.00			3518.00	28.00 Bottom Of Top Packer
Packer	4.00			3522.00	
Stubb	1.00			3523.00	
Recorder	0.00	8017	Inside	3523.00	
Recorder	0.00	8372	Outside	3523.00	
Perforations	11.00			3534.00	
Bullnose	3.00			3537.00	15.00 Bottom Packers & Anchor

Total Tool Length: 43.00

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operations LLC

24-11s-21w Trego, KS

7154 W. State St
PMB 302
Boise ID 83714
ATTN: Mike Maune

Nicholson #2

Job Ticket: 47888

DST#: 2

Test Start: 2012.06.29 @ 03:50:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 6.36 in³
Resistivity: ohm.m
Salinity: 1300.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 52000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
160.00	MW m=10% w=90%	2.244
5.00	CO	0.070

Total Length: 165.00 ft Total Volume: 2.314 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Resistivity- .099 @ 99deg= 52000

Handwritten notes:
G. 11
SWS 170
11.0.11.12

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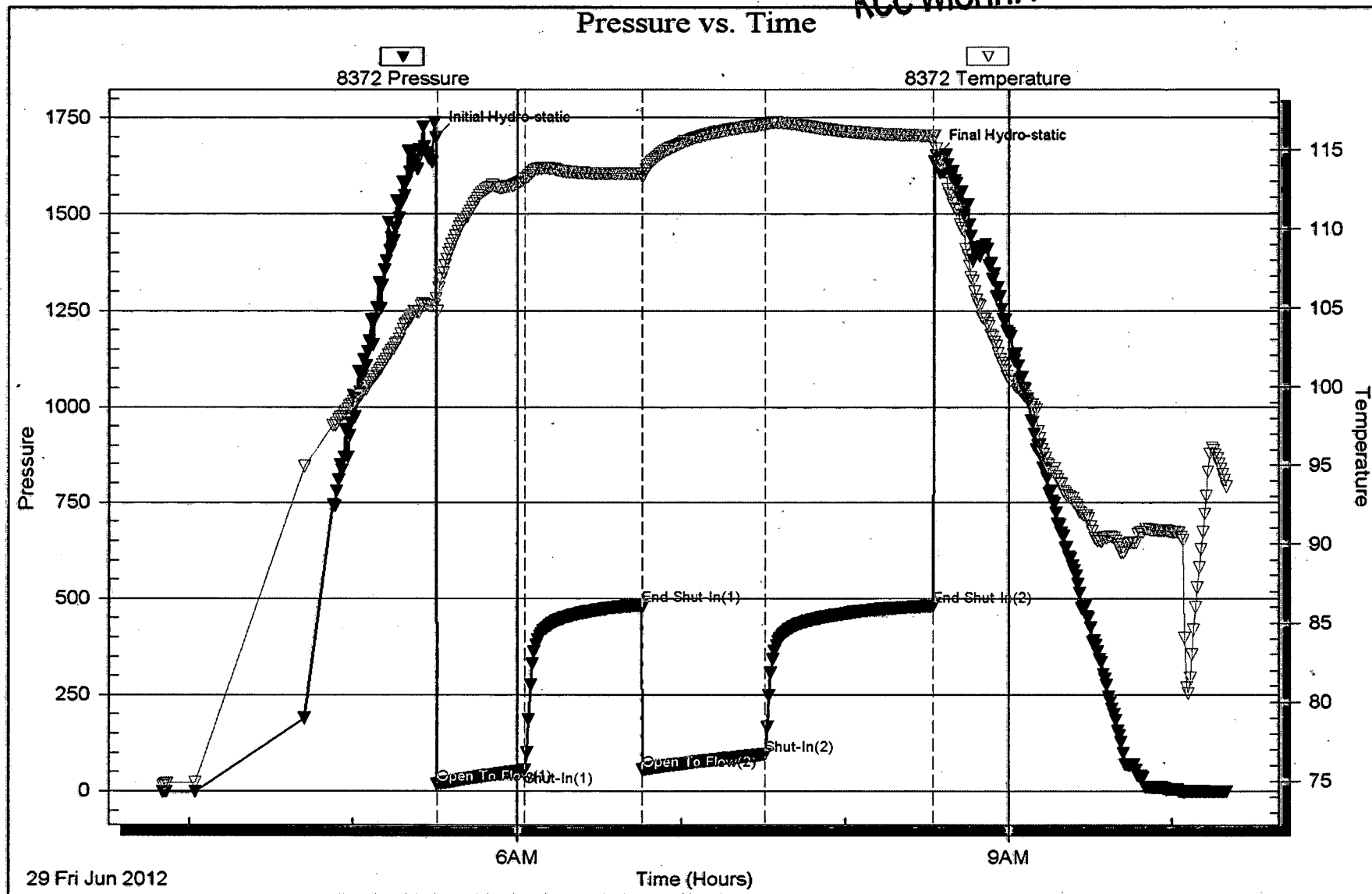
KCC WICHITA

Serial #: 8372

Outside Tomlinson Operations LLC

Nicholson #2

DST Test Number: 2

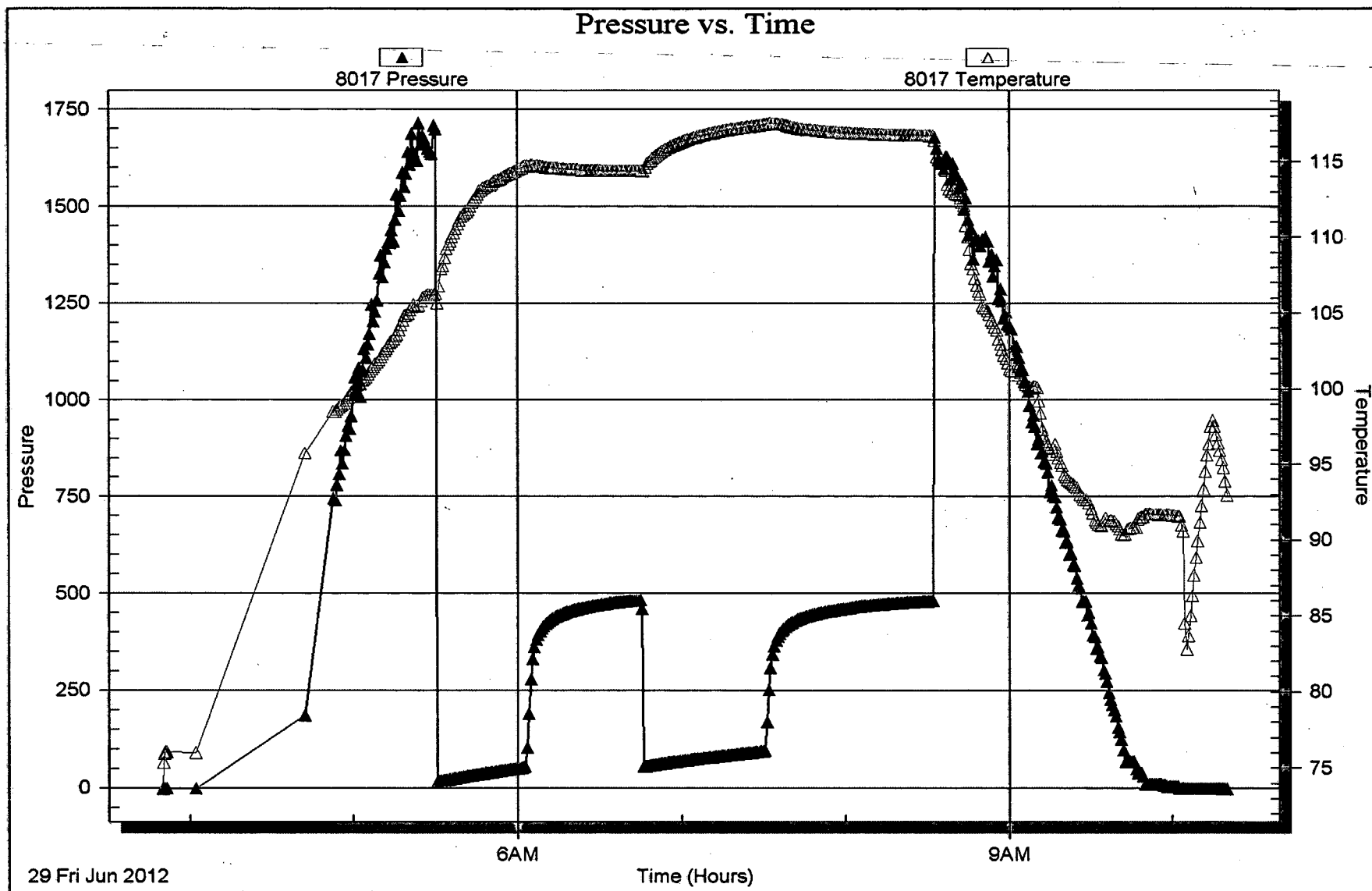


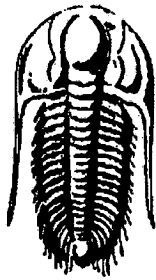
Serial #: 8017

Inside Tomlinson Operations LLC

Nicholson #2

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operations LLC**

7154 W. State St
PMB 302
Boise ID 83714

ATTN: Mike Maune

Nicholson #2

24-11s-21w Trego,KS

Start Date: 2012.06.30 @ 00:45:05

End Date: 2012.06.30 @ 05:54:09

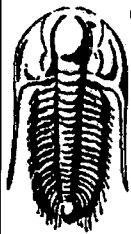
Job Ticket #: 47889 DST #: 3

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PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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Printed: 2012.07.12 @ 11:34:35

Tomlinson Operations LLC 24-11s-21w Trego,KS Nicholson #2 DST # 3 LKC" I,J,K" 2012.06.30



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tomlinson Operations LLC

24-11s-21w Trego, KS

7154 W. State St
PMB 302
Boise ID 83714
ATTN: Mike Maune

Nicholson #2

Job Ticket: 47889

DST#: 3

Test Start: 2012.06.30 @ 00:45:05

GENERAL INFORMATION:

Formation: LKC" I,J,K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:10:00

Time Test Ended: 05:54:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: 3586.00 ft (KB) To 3650.00 ft (KB) (TVD)

Total Depth: 3650.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2163.00 ft (KB)

2155.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8372

Outside

Press@RunDepth: 43.98 psig @ 3593.00 ft (KB)

Start Date: 2012.06.30

End Date: 2012.06.30

Start Time: 00:45:05

End Time: 05:54:10

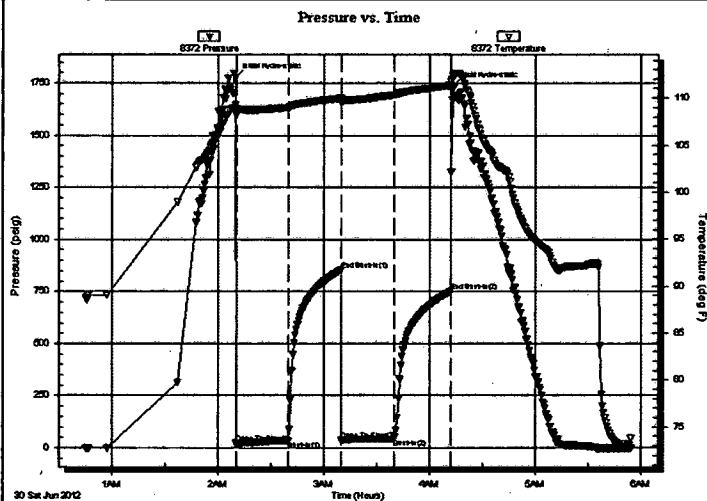
Capacity: 8000.00 psig

Last Calib.: 2012.06.30

Time On Btm: 2012.06.30 @ 02:09:30

Time Off Btm: 2012.06.30 @ 04:13:10

TEST COMMENT: IF:(30min) Weak surface blow
ISl:(30min) No Return
FF:(30min) Weak surface blow , died in 14 min.
FSl:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1779.09	109.26	Initial Hydro-static
1	21.89	108.21	Open To Flow (1)
30	34.57	109.01	Shut-In(1)
60	853.55	109.98	End Shut-In(1)
61	38.58	109.46	Open To Flow (2)
91	43.98	110.32	Shut-In(2)
123	750.92	111.33	End Shut-In(2)
124	1735.53	112.39	Final Hydro-static

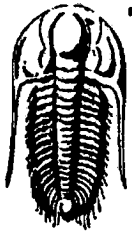
Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud	0.70

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operations LLC

24-11s-21w Trego,KS

7154 W. State St
PMB 302
Boise ID 83714
ATTN: Mike Maune

Nicholson #2
Job Ticket: 47889 **DST#: 3**
Test Start: 2012.06.30 @ 00:45:05

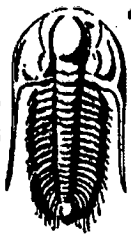
Tool Information

Drill Pipe:	Length: 3570.00 ft	Diameter: 3.80 inches	Volume: 50.08 bbl	Tool Weight:	2500.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	2400.00 lb	
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb	
			<u>Total Volume:</u>	50.08 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	36000.00 lb	
Depth to Top Packer:	3586.00 ft			Final	37000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	64.00 ft					
Tool Length:	92.00 ft					
Number of Packers:	2	Diameter:	6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3559.00	
Shut In Tool	5.00			3564.00	
Hydraulic tool	5.00			3569.00	
Jars	5.00			3574.00	
Safety Joint	3.00			3577.00	
Packer	5.00			3582.00	28.00 Bottom Of Top Packer
Packer	4.00			3586.00	
Stubb	1.00			3587.00	
Perforations	5.00			3592.00	
Change Over Sub	1.00			3593.00	
Recorder	0.00	8017	Inside	3593.00	
Recorder	0.00	8372	Outside	3593.00	
Drill Pipe	31.00			3624.00	
Change Over Sub	1.00			3625.00	
Perforations	22.00			3647.00	
Bullnose	3.00			3650.00	64.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operations LLC

24-11s-21w Trego,KS

7154 W. State St

Nicholson #2

PMB 302

Job Ticket: 47889

DST#: 3

Boise ID 83714

Test Start: 2012.06.30 @ 00:45:05

ATTN: Mike Maune

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud	0.701

Total Length: 50.00 ft

Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

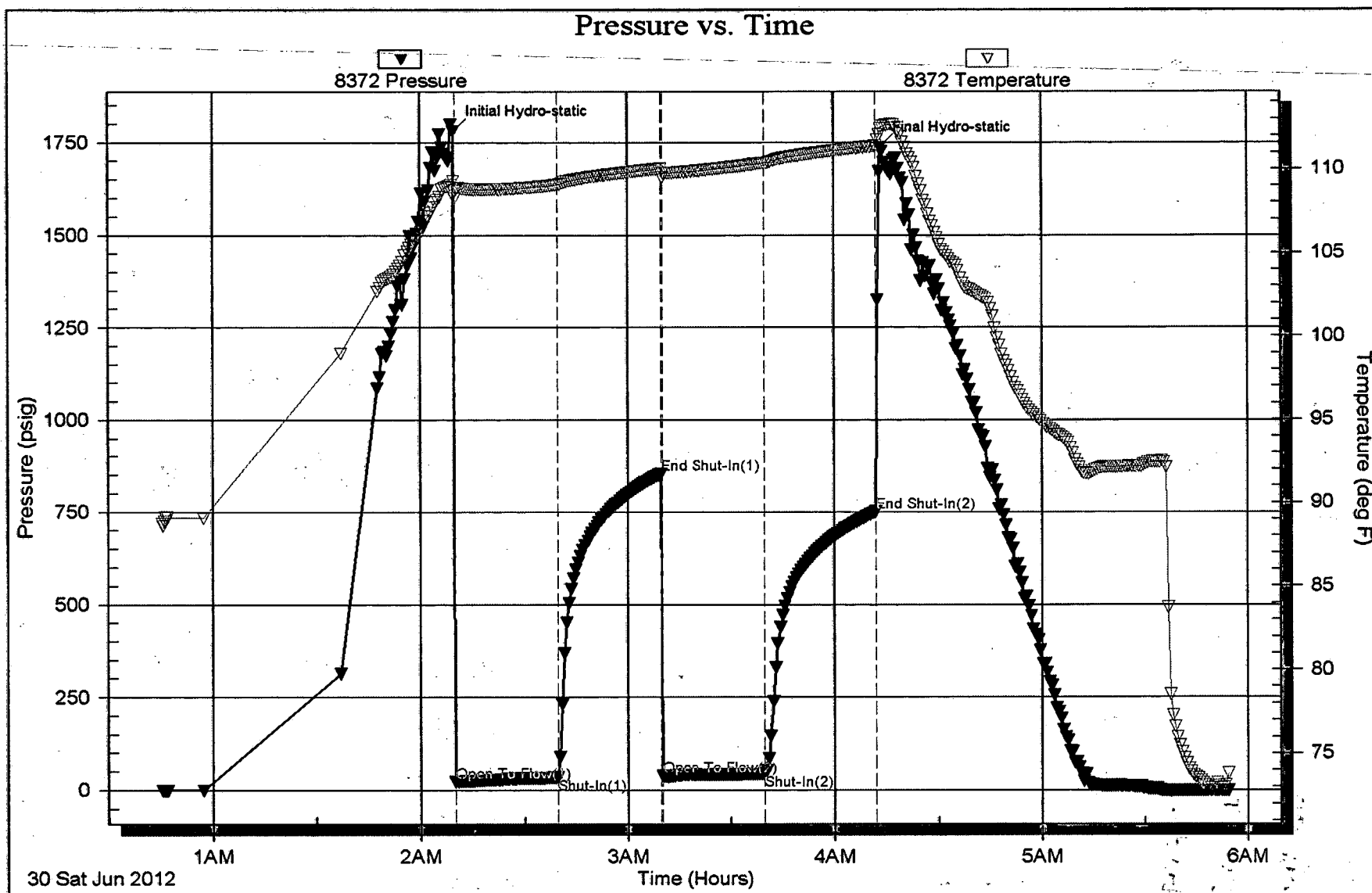
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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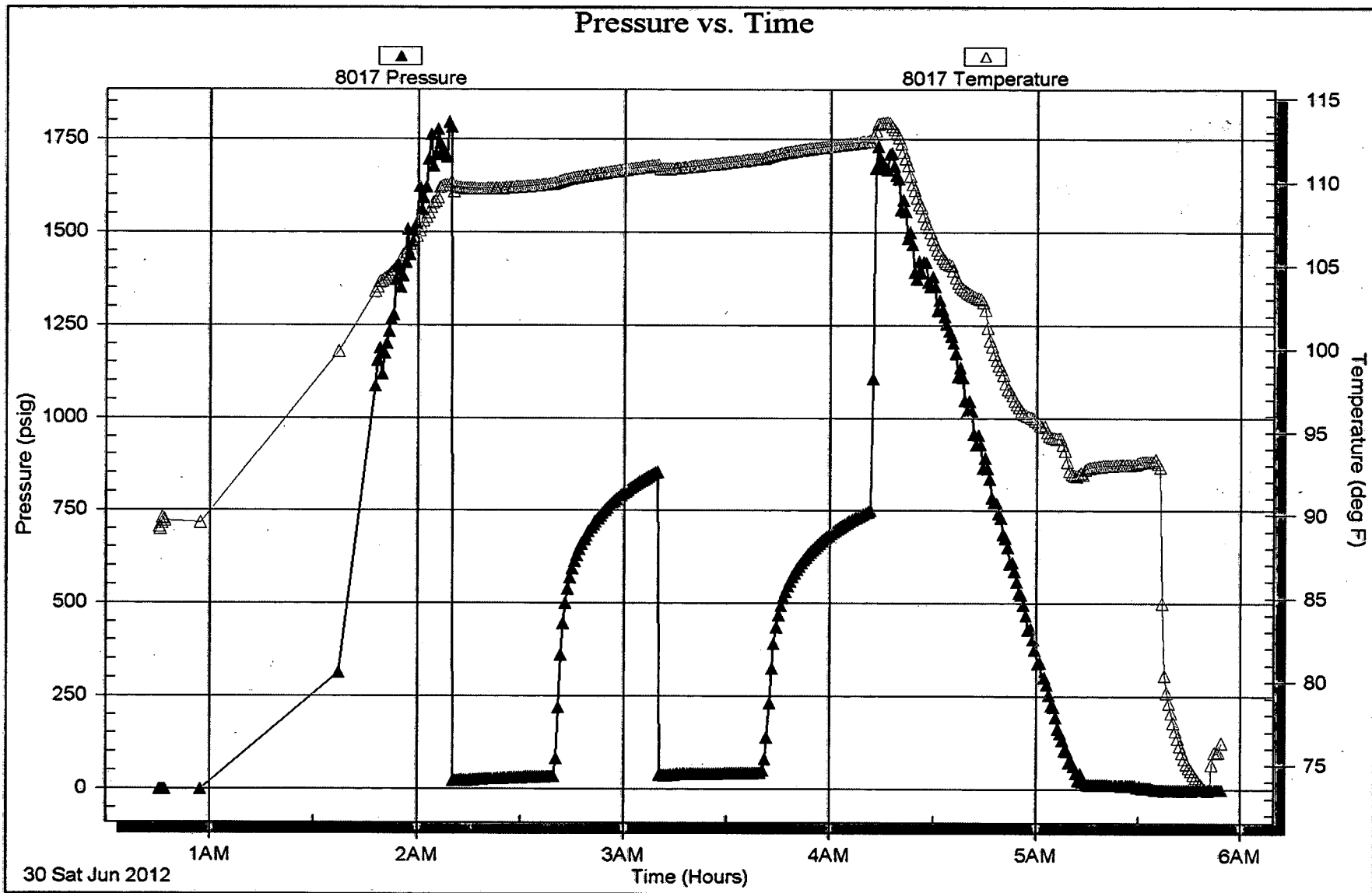


Serial #: 8017

Inside Tomlinson Operations LLC

Nicholson #2

DST Test Number: 3



30 Sat Jun 2012

Time (Hours)

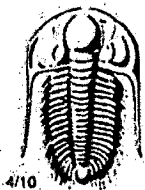
Trilobite Testing, Inc

Ref. No: 47889

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Printed: 2012.07.12 @ 11:34:39

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47887

Well Name & No. Nicholson #2 Test No. 1 Date 6-28-12
 Company TOMLINSON OPERATIONS LLC Elevation 2163 KB 2155 GL
 Address 7154 W. STATE ST. PMB 302 BOLSER ID. 83714
 Co. Rep / Geo. MIKE MONTZ Rig Southwind #6
 Location: Sec. 24 Twp. 11S Rge. 21W Co. IREGD State KS

Interval Tested 3434-3496 Zone Tested LKC A+B"
 Anchor Length 62' Drill Pipe Run 3418 Mud Wt. 8.9
 Top Packer Depth 3429 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3434 Wt. Pipe Run 0 WL 6.4
 Total Depth 3496 Chlorides 1300 ppm System LCM 2"

Blow Description IF: Built to 1" decreased to surface blow
FSL: No Return
FF: Surface blow, WEAK
FSL: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>OCM</u>		<u>10%</u>		<u>90%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60' BHT 111° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1635</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>10:57</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>12:53</u>
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>15:28</u>
(D) Initial Shut-In <u>798</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>18:28</u>
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:03</u>
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>68K</u> 105.40	Comments _____
(G) Final Shut-In <u>753</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1569</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer

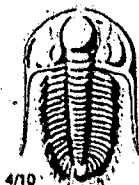
Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1580.40
 Total 1580.40
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47888

Well Name & No. Nicholson #2 Test No. 2 Date 6-29-12
 Company 10m LINSON Operation LLC Elevation 2163 KB 2155 GL
 Address 7154 W. State St. pmb 302 Boise ID 83714
 Co. Rep / Geo. MIKE Munte Rig _____
 Location: Sec. 24 Twp. 11s Rge. 21W Co. TREGD State Ks

Interval Tested 3522-3537 Zone Tested LKC"
 Anchor Length 15' Drill Pipe Run 3500 Mud Wt. 8.9
 Top Packer Depth 3517 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3522 Wt. Pipe Run 0 WL 6.38
 Total Depth 3537 Chlorides 1300 ppm System LCM 2#

Blow Description 1F: 2" blow in 10 min, built to 2 1/2"
1ST: NO Return
2F: Built to 1 3/4" in 28 min.
2ST: NO Return

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KCC WICHITA

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>CD</u>				
<u>160</u>	<u>MW</u>			<u>90%</u>	<u>10%</u>

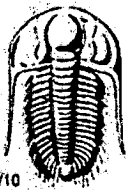
Rec Total 165' BHT 115° Gravity _____ API RW .099 @ 99° F Chlorides 52000 ppm

(A) Initial Hydrostatic 1697 Test 1150 T-On Location 03:36
 (B) First Initial Flow 18 Jars 250 T-Started 03:50
 (C) First Final Flow 54 Safety Joint 75 T-Open 05:30
 (D) Initial Shut-In 482 Circ Sub _____ T-Pulled 08:30
 (E) Second Initial Flow 55 Hourly Standby _____ T-Out 10:20
 (F) Second Final Flow 95 Mileage 68PT 105.40 Comments _____
 (G) Final Shut-In 480 Sampler _____
 (H) Final Hydrostatic 1650 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Sub Total 1580.40
 Total 1580.40
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47889

Well Name & No. Nicholson #2 Test No. 3 Date 6-30-12
 Company Tomlinson Oper, LLC Elevation 2163 KB 2155 GL
 Address 7154 W. State st pmb 302 Boise ID 83714
 Co. Rep / Geo. Mike Monte Rig Southwind 6
 Location: Sec. 24 Twp. 11s Rge. 21w Co. TREGO State KS

Interval Tested 3586-3650 Zone Tested LKC "IJK"
 Anchor Length 64' Drill Pipe Run 3570 Mud Wt. 9.0
 Top Packer Depth 3581 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3586 Wt. Pipe Run 0 WL 6.8
 Total Depth 3650 Chlorides 1400 ppm System LCM 2

Blow Description 1F: Weak surface blow
ISL: NO Return
FF: ~~Weak~~ Weak surface blow, died in 14min
FSL: NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT 111° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1779 Test 1150 T-On Location 00:25
 (B) First Initial Flow 21 Jars 250 T-Started 00:45
 (C) First Final Flow 34 Safety Joint 75 T-Open 02:10
 (D) Initial Shut-In 853 Circ Sub _____ T-Pulled 04:10
 (E) Second Initial Flow 38 Hourly Standby _____ T-Out 05:55
 (F) Second Final Flow 43 Mileage 68RT 105.40
 (G) Final Shut-In 750 Sampler _____
 (H) Final Hydrostatic 1735 Straddle _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Extra Recorder _____
 Sub Total 0
 Total 1580.40
 MP/DST Disc't _____
 Sub Total 1580.40

Approved By _____ Our Representative [Signature]
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